

STATE OF CALIFORNIA

Before the Energy Resources Conservation and Development Commission

APPLICATION FOR CERTIFICATION FOR THE)
EAST ALTAMONT ENERGY CENTER)
(EAST ALTAMONT))
_____)

DOCKET NO. 01-AFC-4
(AFC ACCEPTED 06/27/01)
(* Established 7/7/01)
(Revision date 08/29/01)

I, Anar Bhimani, declare that on August 31, 2001, I deposited copies of the attached East Altamont Energy Center Data Request Response Set #2A in the United States mail at Sacramento with first class postage thereon fully prepaid and addressed to the following:

DOCKET UNIT

Send the original signed document plus the required 12 copies to the address below:

CALIFORNIA ENERGY COMMISSION
DOCKET UNIT, MS-4
*Attn: Docket No. 00-AFC-14
1516 Ninth Street
Sacramento, CA 95814-5512
E-mail:doCKET@energy.state.ca.us

* * * *

In addition to the documents sent to the Commission Docket Unit, also send individual copies of any documents to:

APPLICANT

Richard L. Thomas
Senior Vice President
6700 Knoll Center Parkway,
Suite 200
Pleasanton, California 94566

*Calpine
Susan Strachan
P.O. Box 1049
Davis, CA 95617-1049
(530)757-7038
strachan@dcn.davis.ca.us

Ms. Alicia Torre,
Project Manager
East Altamont Energy Center, LLC
6700 Knoll Center Parkway, Ste 200
Pleasanton, California 94566

COUNSEL FOR APPLICANT

Ellison, Schneider & Harris L.L.P
Gregory L. Wheatland, Esq.
2015 H Street
Sacramento, CA 95814

Calpine
Steve DeYoung
6700 Knoll Center Parkway, Ste 200
Pleasanton, California 94566

INTERESTED AGENCIES

California Regional Water
Quality Control Board
Central Valley Region
3443 Routier Road, Suite A
Sacramento, CA 95827

California Department of Water
Resources
Project Power Planning Branch
State Water Project Analysis
Office
Chi Doan, Acting Chief
1416 9th Street
Sacramento, CA 95814

US Department of Commerce
National Marine Fisheries
Service
Rebecca Lent, Ph.D.
501 West Ocean Boulevard, Ste 4200
Long Beach, CA 90802-4213


*Al Ghaffari
Stationary Source Division
California Air Resources Board
1001 I Street, 6th Floor
Sacramento, CA 95812

*Kirk Sornborger
Western Area Power
Administration
114 Parkshore Drive
Folsom, CA 95630-4710

INTERVENORS

*Mark R. Wolfe, Esq.
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651 Gateway Boulevard, Suite
900
South San Francisco, CA 94080
mwolfe@adamsbroadwell.com

I declare under penalty of perjury that the foregoing is true and
correct.


[signature]

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individuals. The Energy Commission Docket Unit will internally
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MS-9

Cheri Davis
Project Manager

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CH2M HILL
2485 Natomas Park Drive
Suite 600
Sacramento, CA
95833-2937
Tel 916.920.0300
Fax 916.920.8463

August 31, 2001

Ms. Cheri Davis
Project Manager
California Energy Commission
Energy Facilities Siting and Environmental Protection Division
1516 Ninth Street, MS-15
Sacramento, CA 95814

Subject: East Altamont Energy Center Application for Certification
Data Request Response Set #2A (01-AFC-04)

Dear Ms. Davis:

Enclosed are 24 copies of the East Altamont Energy Center Application for Certification Data Request Response Set #2A. This data response package provides responses to Data Requests #53, #66, and #74.

If you have any questions, please call me at 916-920-0300.

Sincerely,

CH2M HILL

A handwritten signature in cursive script, appearing to read "Jerry Salamy".

Jerry Salamy
Project Manager

Enclosure

**East Altamont Energy Center
Data Requests and Responses (01-AFC-4)
Set #2A**

(Responses to Data Requests: #53, #66, and #74)

Submitted to:

CALIFORNIA ENERGY COMMISSION

Submitted by:

East Altamont Energy Center, LLC

August 31, 2001

**EAST ALTAMONT ENERGY CENTER
DATA REQUESTS #2A
(01-AFC-4)**

01-AFC-4

CALIF ENERGY COMMISSION

Technical Area: Biological Resources

Author: Andrea Erichsen

EAEC Author: EJ Koford

AUG 31 2001

RECEIVED IN DOCKETS

BACKGROUND

The EAEC site occupies and affects habitats suitable for several endangered, threatened, and sensitive species listed in Table 8.2-1A and 8.2-1B. In particular, San Joaquin kit fox is a federally endangered species, which requires extensive survey protocols set forth by the USFWS. The AFC states that the Applicant will conduct "protocol level surveys in the summer 2001, at locations identified by the USFWS as being occupied by the kit fox and potentially affected by the project."

53. Provide detailed analysis of on-site and off-site mitigation options, incorporating recent discussions with USFWS. Include letter or correspondence if possible. Include analysis of area and cost for land parcels of interest in the EAEC area and the option(s) EAEC intends to pursue.

Response: This response provides a summary of both the on-site and off-site mitigation options being pursued by EAEC LLC.

EAEC LLC representatives met with Sheila Larsen with the US Fish and Wildlife Service on May 23, 2001 to discuss among other issues, on-site and off-site mitigation for the EAEC project. A summary of the meeting was included in attachment BR-52 to Data Responses Set 2 filed on August 17, 2001.

With regard to the project site, EAEC LLC has obtained an option for a 174 acre parcel, which is currently farmed. The crops grown include alfalfa, beans, and hay. The EAEC project will be located on a maximum of 55 acres. EAEC LLC recently eliminated the two five-acre evaporation ponds which were proposed for the project. This will further reduce the footprint of the site. On-site mitigation will be provided by ensuring that the acres not occupied by the project continue to be cultivated for the crops mentioned above. The USFWS has noted that certain crops, including alfalfa and hay are highly desirable for foraging habitats for both San Joaquin Kit Fox and Swainson's Hawk.

For offsite mitigation, EAEC LLC is considering either of two options: 1) purchasing credits in an established mitigation bank or 2) purchase of land with the management responsibilities transferred to the California Department of Fish and Game (CDFG) or other third party to manage in conjunction with existing contiguous preserves. EAEC LLC has consulted with the manager of a private mitigation bank located in the project area, and determined that mitigation credits for burrowing owl, Swainson's hawk and San Joaquin Kit Fox would likely be available. EAEC LLC has also identified the owners of property near the project site that supports habitat suitable for sensitive species, and is in discussions with the owners for the purchase of mitigation land. EAEC LLC is unable to disclose the cost of the property it is considering since it could negatively impact the property negotiations. However, EAEC LLC can assure the CEC that fair market value will be paid.

**EAST ALTAMONT ENERGY CENTER
DATA REQUESTS #2A
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Both the mitigation bank and the properties contain suitable habitat for San Joaquin Kit Fox, California Red Legged Frog, Swainson's Hawk, burrowing owl, and potentially tiger salamander and sensitive plant species as well. If property is acquired, EAEC LLC would propose that the CDFG assume management responsibilities and manage it in conjunction with adjacent CDFG preserve lands. The CDFG already manages a mitigation bank located within 1 mile of the proposed property on the west side of Bruns Road, near the corner of Kelso.

EAEC LLC will further develop its mitigation proposal in consultation with the USFWS as part of the Section 7 consultation.

**EAST ALTAMONT ENERGY CENTER
DATA REQUESTS #2A
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Technical Area: Cultural Resources
Author: Roger Mason and Dorothy Torres
EAEC Author: Jim Bard

NOTE: Please submit any information that may reveal archaeological site location under confidential cover.

BACKGROUND

It cannot be determined from the AFC and Data Adequacy Responses whether local historical societies and local jurisdictions (cities and counties) were contacted to determine if any historical resources in or near the project area are listed in local historical inventories or registers. Such local inventories are often not reflected in information obtained from a records search at the appropriate Archaeological Information Center.

DATA REQUEST

BACKGROUND

In order to confirm that all cultural resources studies necessary for the CEQA process have been completed, staff needs to have cultural resources technical reports on file.

DATA REQUEST

66. Please provide copies of the cultural resources survey report or reports (technical reports) that document the field surveys conducted by the Applicant for this project. These surveys include those summarized in the AFC, Data Adequacy Response Set 1, and responses to Data Requests 2 and 3. These reports should be prepared following the portions of the SHPO's guidelines for "Archaeological Resource Management Reports" that pertain to survey reports. The report should contain a copy of relevant portions of USGS quads at 1:24,000 scale showing the project site and all linear routes and showing what areas were surveyed. Please provide completed DPR 523 forms in an appendix to the report for cultural resources identified as a result of the survey. The report should also have an appendix that contains a copy of the letter and bibliography from the Archaeological Information Center received as part of the records search. Another appendix should provide resumes for cultural resources specialists that contributed to the report.

Response: The technical report requested was submitted on August 28, 2001 under a separate confidential cover. This confidential submittal also contains the a listing of California Inventory of Historic Resources, a copy of the Revised Preliminary Historic Resources Inventory for Contra Costa County, and the Central California Information Center record search results. The resumes of the cultural resource specialist that contributed to the preparation of the technical report are presented in Attachment CR-66.

**EAST ALTAMONT ENERGY CENTER
DATA REQUESTS #2A
(01-AFC-4)**

Technical Area: Land Use

Author: Negar Vahidi and Mark R. Hamblin

EAEC Authors: Susan Strachan

BACKGROUND

On page 1-1 of the AFC, under section 1.1 Project Overview it states that "Calpine currently has a purchase option on a 174 acre parcel of agricultural land. The parcel is located in Township 1 South, Range 4 East, Mount Diablo base and meridian (MDB&M). The plant site would occupy up to 55 acres near the center of the property with the remainder available for lease as agricultural land."

The legal status of the 174 acre parcel for this project is unknown based on the information provided in the AFC. Legal land division parcels are established in accordance to the procedures and the requirements set forth in the State Subdivision Map Act (Government Code section 66410 – 66499.58).

The information provided in the AFC describes an Assessor's parcel. Assessor's parcels are not legal land division parcels. Assessor's parcels are generated by a County Assessor's Office as a means of placing a value on property or portion thereof for the purpose of property taxation in accordance to the California Revenue and Taxation Code. The County Assessor does not divide or create parcels of land in conducting this process. The assignment of an Assessor's Parcel Number to a property also provides a convenient and quick location reference for the County Assessor to identify a property on the property assessment roll within a County.

Section 17.52.090 of the Alameda County General Ordinance Code - Zoning regulations states "Every use in an A (agriculture) district shall be on a building site having an area not less than one hundred (100) acres."

DATA REQUEST

74. Please explain whether the Applicant has a recorded legal parcel of land on which to build.

Explain the land division procedure used to create the 174-acre parcel.

Provide a copy of the recorded final map, lot line adjustment map, or Certificate of Compliance for the subject property(ies).

Response: Attachment LU-74 contains the copy of the recorded Memorandum of Option with Thelma Holck et al, evidencing East Altamont Energy Center, LLC's interest in the 174 acre parcel was inadvertently omitted from the August 17, 2001 submittal.

**EAST ALTAMONT ENERGY CENTER
DATA REQUESTS #2
(01-AFC-4)**

Attachment CR-66

James C. Bard

Cultural Resource Specialist

Distinguishing Qualifications

- Founded, owned and managed a cultural resource management consulting firm in the San Francisco Bay Area (1977-1993) - *Basin Research Associates, Inc.*
- Twenty-five years of archaeological experience - Western United States
- Over 25 professional publications in the field of cultural resources
- Developed Patination Dating Technique for Great Basin Petroglyphs

Related Experience

Dr. Bard is responsible for directing cultural resource management projects for CH2M HILL. He has extensive experience in prehistoric archaeology, cultural resource management and small business management. He has been extensively involved in the management of and/or participation in cultural resource investigations in compliance with the National Environmental Policy Act, the National Historic Preservation Act, and a variety of other federal cultural resource regulations. He has extensive experience in the implementation of cultural resource investigations to meet the requirements of the California Environmental Quality Act (CEQA) and the Washington State Environmental Policy Act (SEPA).

Dr. Bard is a cultural resources management specialist with a broad technical and geographical background in all aspects of cultural resource assessment and regulatory compliance. He has 21 years of professional experience in the design and management of cultural resource components of EAs, EIRs, and EISs for federal, state, and municipal agencies, private industry, the military, and scientific community. His specialties include program management, coordination of technical analyses, research design formulation, Section 106 compliance, Native American and general client liaison, human resources management, and marketing. Dr. Bard's research interests include California, Great Basin, and Columbia Plateau archaeology and ethnology, scientific applications in archaeology (archaeometry), cultural ecology, paleoenvironmental reconstruction, lithic technology and experimental archaeology, prehistoric rock art, archaeological methods and theory, and cultural resource management. Dr. Bard has completed projects located throughout California, the Great Basin, and Pacific Northwest, and has experience in the northwestern Plains (Alberta) and the Southwest (Arizona).

Prior to joining CH2M HILL in mid-1993, Dr. Bard held a 50 percent ownership and served as a Principal of Basin Research Associates, Inc. [BASIN] for more than 16 years. BASIN is headquartered in the San Francisco Bay Area and serves a broad array of clients throughout California and Nevada. Dr. Bard and a partner founded BASIN in 1977 while completing their graduate studies at U.C. Berkeley. During Dr. Bard's 16-year tenure with BASIN, over 1000 individual projects were completed by the firm. Dr. Bard has served as Principal or Co-Principal Investigator for over 350 cultural resource assessments associated with urban and rural land planning, the development of water, energy, and mineral resources, and urban development throughout northern and central California and Nevada.

James C. Bard

In addition, Dr. Bard served as Principal or Co-Principal Investigator for over 30 cultural resource mitigation programs throughout northern and central California, which involved site testing and data recovery operations. He served as a discipline specialist or project archaeologist for over 50 cultural resource mitigation programs throughout northern and central California and Nevada which involved site testing and data recovery, extended laboratory analysis, and/or specialized scientific analysis. Over the years, Dr. Bard has provided consultations to public agencies, private land developers, and architects and engineers.

Prior to founding BASIN in 1977, Dr. Bard worked as a teaching assistant in the Department of Anthropology, at the University of California, Berkeley, for such courses as Introduction to Prehistoric Archaeology, Science and Archaeology and Archaeology and Society (1974-1976). He was also a Guest Researcher, conducting archaeometric studies, at the Lawrence Berkeley Laboratory at U.C. Berkeley (1974-1979) and a Volunteer Assistant at the Pheobe Apperson Hearst Museum of Anthropology (formerly the Robert H. Lowie Museum of Anthropology) (1970-1972). He also served as a Volunteer Staff Archaeologist with the University of California, Los Angeles, Archaeological Survey (1969-1970).

Education

Ph.D., Anthropology, University of California, Berkeley (1979)
M.A., Anthropology, University of California, Berkeley (1976)
B.A., Anthropology, University of California, Berkeley (1974)

Professional Registration

Society for California Archaeology - Approved Consultant
Register of Professional Archaeologists (RPA)
California Lifetime Junior College Teaching Credential - Anthropology

Professional Activities

1990-present, Peer Reviewer, Journal of Field Archaeology
1986-present, Peer Reviewer, Society for Archaeological Sciences Bulletin
1977-present, Public Service, group/individual, career counseling, artifact/antiquities review, etc.

Honors and Awards

| | |
|---------|---|
| 1970-79 | Dean's Honors List, University of California, Berkeley |
| 1974 | A.B. with Distinction in General Scholarship, University of California, Berkeley |
| 1976 | Robert H. Lowie Scholarship in Anthropology, University of California, Berkeley |
| 1985 | American Committee for the Preservation of Archaeological Collections - Certificate of Appreciation |

James C. Bard

Memberships in Professional Organizations

American Anthropological Association
American Committee for the Preservation of Archaeological Collections
Archaeological Institute of America
Association for Field Archaeology
Association for Washington Archaeology
Association of Oregon Archaeologists
California Committee for the Promotion of History
Great Basin Anthropological Conference
National Trust for Historic Preservation
Nevada Council of Professional Archaeologists
Society for American Archaeology
Society for Archaeological Science
Society for California Archaeology
Society for Historic Archaeology
Register of Professional Archaeologists

James C. Bard

**SUPPLEMENTAL INFORMATION
PROJECT EXPERIENCE**

Energy/Power and Communication Transmission/Distribution

- Principal investigator for cultural resource assessment for Pacific Gas and Electric Company's Tri-Valley Project, Amador and Livermore Valleys, California. Surveys and siting studies for new electrical transmission generating capacity and delivery for Dublin, Pleasanton, and Livermore, California.
- Project manager for the cultural resource program for Pacific Gas Transmission Company's Pacific Northwest Expansion Project in Oregon. This multi-year project (1993-1994), which is being licensed by the Federal Energy Regulatory Commission (FERC), requires compliance with a number of Federal and state cultural resource laws and regulations. The cultural resource program requires the coordination and management of a team of subconsultant specialists in archaeology, history, ethnology, ethnohistory, and other related disciplines; and coordination and liaison with Federal and state agencies and Native American Tribal groups. The program will include archaeological survey, testing, and data recovery operations, and implementation of a Native American participation program.
- Cultural resource specialist for Tuscarora Pipeline Company's application to the Federal Energy Regulatory Commission (FERC) for a Certificate of Public Convenience and Necessity in Oregon, California, and Nevada. Supervised subconsultant's preparation of the cultural resource element to the Resource Report, provided senior review, and identified subconsultants for subsequent work phases.
- Cultural resource specialist for SAI Soledad Energy, Inc.'s Soledad Biomass Power Plant cultural resource assessment. Served as Principal Investigator for a cultural resource assessment of a proposed biomass power plant in Soledad, Monterey County, California. Conducted research, supervised the field survey and prepared the technical report.
- Cultural resource specialist for the Northwest Power Enterprises, Inc.'s Starbuck Gas-Fired Generating Plant Project, Columbia County, Washington. Served as Principal Investigator for a 120-acre survey and subsurface testing program of the proposed and alternative generating plant sites, assisted with Tribal consultations and evaluation of traditional cultural properties, and co-authored two technical reports.
- Cultural resource specialist for PPL Global (Pennsylvania Power & Light) and Bonneville Power Company licensing studies for the Starbuck Power Plant Project, Columbia County, Washington. Served as Principal Investigator for 16 mile-long new 500 kV electrical transmission line between Starbuck Power Plant and Lower Monumental Dam Substation; assisted PPL Global and BPA with consultations and traditional cultural properties studies with five Northwest Tribes.
- Cultural resource specialist for the preparation of a National Park Services Bulletin 38 "Traditional Cultural Property" (TCP) investigation for the proposed Lorella Pumped Storage

James C. Bard

Electrical Generating Plant, Klamath Falls, Oregon. Conducted interviews with Modoc tribal elders and prepared a preliminary TCP evaluation report.

- Project manager for the cultural resource inventory of 1600 acres along the Columbia River near Vernita Bridge at the U.S. Department of Energy's Hanford Site in Richland, Washington. Directed a large scale survey of DOE lands along the southern bank of the Columbia River using a predominantly Native American work crew composed of Wanapum, Nez Perce, and Yakama tribal members. Served as Principal Investigator and lead author of the technical report.
- Project manager for the cultural resource inventory of seven proposed basalt quarries at the U.S. Department of Energy's Hanford Site in Richland, Washington. Directed a 685 acre survey of proposed quarry site and served as Principal Investigator and lead author of the technical report.
- Project manager for the cultural resource inventory of the former Central Shops Complex and five Antiaircraft Artillery installations along Army Loop Road at the U.S. Department of Energy's Hanford Site in Richland, Washington. Directed the field investigations and served as Principal Investigator and lead author of the technical report.
- Project manager and principal investigator for the preparation of a historic context statement pertaining to the Ethnographic/Contact Period (Lewis and Clark 1805-Hanford Engineer Works 1943) for the U.S. Department of Energy's Hanford Site in Richland, Washington.
- Project manager and principal investigator for the preparation of a historic context statement pertaining to the Pre-1943 Settlement/Farmstead Period (Lewis and Clark 1805-Hanford Engineer Works 1943) for the U.S. Department of Energy's Hanford Site in Richland, Washington.
- Principal investigator for the preparation of a Traditional Cultural Properties Management Plan for the U.S. Department of Energy's Hanford Site in Richland, Washington, based on tribal elder testimony provided at a workshop sponsored by Battelle Pacific Northwest Laboratory.
- Co-principal investigator for the preparation of a Curation Strategy for the U.S. Department of Energy's Hanford Site in Richland, Washington - a document that will guide DOE's curation of Manhattan Project and Cold War artifacts and records. Recommendations by members of an invited panel of nationally recognized museum professionals, that met at the curation workshop sponsored by Battelle Pacific Northwest Laboratory, are included in the strategy document.
- Senior consultant to the Bonneville Power Administration (BPA). Assist BPA with peer review, program management, and provide technical support to BPA's cultural resource program manager. Bonneville Power Administration, Department of Energy, Portland, Oregon.
- Principal investigator for the cultural resource clearance work associated with the construction of underground repeater boxes located in the Deschutes National Forest for U.S. West Communications Company, Bend, Oregon.
- Principal investigator for the cultural resource assessments of the Vansycle and Stateline Wind Farm Projects in Umatilla County, Oregon and Walla Walla County, Washington for ESI Energy, Inc. (Florida Power and Light), North Palm Beach, Florida and FPL Energy, Inc., Juno Beach,

James C. Bard

Florida. Vancycle and Stateline wind projects will produce 400 MW of electricity using 375 turbines.

- Principal investigator for the cultural resource assessment of the Maiden Springs Wind Farm Project near Prosser, Washington for Washington Winds, Inc. and Bonneville Power Administration. Maiden Springs Wind Farm project will produce up to 450 MW of electricity using up to 400 turbines.
- Principal investigator for the cultural resource assessment of the Grizzly Power Generation Project, Jefferson County, Oregon for Cogentrix, Inc. of Portland, Oregon. Grizzly Power Plant is a 980 MW gas-fired plant licenced by the Energy Facility Siting Commission of Oregon.
- Principal investigator for the cultural resource program for the relicensing of the Klamath River Project, Oregon and California for PacifiCorp, Portland, Oregon. This is a multi-year program that involves a full range of cultural resources studies, Tribal consultations with the Klamath and Shasta Tribes, and preparation of FERC-required compliance documents.
- Task leader for the preparation of the cultural resource element of the NEPA EIS for the Bond Falls, Bergland, Cisco Lakes, and Victoria Developments, Upper Peninsula, Ontonagon River, Michigan. EIS for the Federal Energy Regulatory Commission (FERC Project No. 1864).
- Principal investigator for the cultural resource assessment of the Delta Energy Center Project in Contra Costa County, California for Calpine/Bechtel, San Francisco, California. Delta Energy Center is a 700+ MW gas-fired power plant licenced by the California Energy Commission.
- Principal investigator for the cultural resource assessment of the Metcalf Energy Center Project in Santa Clara County, California for Calpine/Bechtel, San Francisco, California. Metcalf Energy Center is a 800 MW gas-fired power plant licensed by the California Energy Commission.
- Principal investigator for the cultural resource assessment of the Canyonville 43142 (OR 0051) Cellular Communication Tower Project in Canyonville, Oregon for American Tower Corporation, Houston, Texas.
- Principal investigator for the cultural resource assessment of the Teayawa Energy Center Project in Riverside County, California for Calpine Corporation, Pleasanton, California. Teayawa Energy Center is an 800 MW gas-fired power plant licensed by the California Energy Commission.
- Principal investigator for the cultural resource assessment of the Modesto Irrigation District's Woodland II Generating Station project in Modesto, California for the Modesto Irrigation District, Modesto. WGS II is an 80 MW gas-fired power plant licensed by the California Energy Commission.
- Principal investigator for the cultural resource assessment of the East Altamont Energy Center Project near Tracy, California for Calpine Corporation, Pleasanton, California. East Altamont Energy Center is an 1100 MW gas-fired power plant licensed by the California Energy Commission.

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- Principal investigator for the cultural resource assessment of the Central Valley Energy Center Project near Fresno, California for Calpine Corporation, Pleasanton, California. Central Valley Energy Center is a 800 MW gas-fired power plant licensed by the California Energy Commission.
- Principal investigator for the cultural resource assessment of the Rancho Seco Gas-Fired Power Plant Project near Sacramento, California for the Sacramento Municipal Utility District. Rancho Seco Gas-Fired Power Plant is a 1000 MW combined cycle power plant licenced by the California Energy Commission.
- Principal investigator for the cultural resource assessment of the Anacortes Fiber Project, Skagit and San Juan Counties, Washington for CenturyTel of Washington, Inc., Gig Harbor, Washington.

Transportation: Highways, Bridges, Railroads, Aviation

- Principal Investigator for the cultural resource review of the widening of Pacific Highway South (SR-99) from South 216th Street to Kent-Des Moines Highway (SR-516) for the City of Des Moines, Washington.
- Task leader for the cultural resources assessment, inventory and evaluation, determination of eligibility and finding of adverse effect for the City of Prosser's Wine Country Road Reconstruction Project, Prosser, Washington.
- Task leader for the cultural resources assessment of the Lake Tapps Parkway Bridge Project in Pierce County, Washington for the Pierce County Public Works and Utilities Department, Tacoma, Washington.
- Task leader for the cultural resources assessment of the Anderson Island Ferry Landing Parking/Loading Lanes Project in Pierce County, Washington for the Pierce County Public Works and Utilities Department, Tacoma, Washington.
- Principal Investigator for the cultural resources assessment of Aurora Avenue North Multimodal Corridor Project for the City of Shoreline, Washington.
- Principal Investigator for the cultural resources assessment of SR 99 improvements for the City of Federal Way, Washington.
- Principal Investigator for the Archaeological, Historical and Architectural technical reports for the I-10 Truck Climbing Lane Project, San Bernardino County, California for the California Department of Transportation.
- Principal Investigator for the Historical and Archaeological Discipline Report for the East "D" Street Grade Separation Project in the City of Tacoma, Washington for Exeltech Consulting, Inc., Olympia, Washington.

James C. Bard

- Principal Investigator for the Burlington Northern Santa Fe Railroad Company's McCarver Street to Reservation Center, Rail Improvement Project, City of Tacoma, Washington, for Exeltech Consulting, Inc., Olympia, Washington.
- Technical specialist for the preparation of a Finding of Adverse Effect – Pacific Power & Light Albina Service Center Building at 2126 North Lewis Avenue, Portland, Oregon for the Lower Albina Railroad Overcrossing Project for the City of Portland, Bureau of Planning.
- Principal Investigator and task leader for archaeological investigations at 35WN43 for the Beef Bend/Elsner/Scholls-Sherwood Roadway Improvement Project for Washington County, Oregon.
- Task leader for the cultural resources assessment for the Pittsburgh International Airport Environmental Assessment for the Allegheny County Department of Aviation, Pittsburgh, Pennsylvania.
- Task leader for the cultural resources assessment of the I-405 Corridor Study, King and Snohomish Counties, Washington for the Washington Department of Transportation.
- Task leader for the cultural resources assessment of the Kingston Park-and-Ride Lot Project, Kitsap County, Washington for Washington State Ferries, Washington Department of Transportation.
- Task leader for the cultural resources assessment for the 13th Street Bridge at the Salinas River - Seismic Retrofit Project, Paso Robles, California for the City of Paso Robles, California.
- Task leader for the cultural resources assessment for the San Diego Airport Master Plan 2020 for the Port of San Diego, California.
- Task leader for the cultural resources assessment for the Link Central Light Rail Transit Project in Seattle, Tukwila and Seatac Washington for the Central Puget Sound Regional Transit Authority, Seattle (SoundTransit). Project involved archaeological, historical and cultural studies of a 23+ mile light rail corridor through metropolitan Seattle and consultations with Suquamish, Duwamish, and Muckleshoot Indian Tribes.
- Task leader for the cultural resources assessment for the Hoover Dam Bypass Project Environmental Impact Statement for the Federal Highway Administration in cooperation with the Bureau of Reclamation, the National Park Service, and the Arizona and Nevada Departments of Transportation. Project involved archaeological, historical and cultural studies of a new bridge and roadway project across the Colorado River near the site of Hoover Dam. Directed efforts of subconsultant (Bureau of Applied Research in Anthropology – University of Arizona) to conduct a formal traditional cultural properties field investigations with over 12 local Indian Tribes.
- Task leader for the archaeological survey and National Register of Historic Places eligibility testing and evaluation of archaeological sites 35-WA-43 for the Beef Bend, Elsner, Scholls-Sherwood Roads Improvement Project for Washington County, Oregon (in cooperation with the US Fish and Wildlife Service).

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- Task leader for the cultural resources survey for the State Route 509/South Access Road Corridor EIS in King County, Washington for the Washington Department of Transportation, Seattle, Washington.
- Task leader for the cultural resources survey for the proposed intersection of U.S. Highway 99W and State Route SW 124th Avenue (Tualatin Road) in Washington County, Oregon for ODOT (Oregon Department of Transportation), Salem, Oregon.
- Task leader for the cultural resources record search for the widening of NE Glisan Street in Multnomah County, Oregon for LSI Logic Corporation, Gresham, Oregon.
- Principal investigator for the archaeological survey of Mt. Hood Parkway from I-84 to US 26, Wood Village, Troutdale, Gresham and Multnomah County, Oregon for ODOT (Oregon Department of Transportation), Salem, Oregon.
- Technical specialist for the preparation of an archaeological survey report for the replacement of the Mary's River (Harris Road) Bridge, Benton County and the Luckiamute River (Wildwood Road) Bridge, Polk County for ODOT.
- Technical specialist for the preparation of an archaeological survey report for the replacement of the Table Rock Bridge, Jackson County, Oregon for Jackson County and ODOT.
- Principal investigator for the archaeological survey and subsurface testing program for the Edmonds Crossing (Multimodal Ferry, Rail, Road) Project in the City of Edmonds, Snohomish County, Washington for the City of Edmonds, the Washington Department of Transportation, and the Washington State Ferries.
- Task leader for the preparation of the SEPA (State Environmental Policy Act) Environmental Checklist and a NEPA Environmental Checklist (Documented Categorical Exclusion) for the Scenic Evergreen Trail in Clark County Washington for Clark County Department of Public Works, Vancouver, Washington.
- Task leader for the cultural resources record search and fatal flaw evaluation of the South King County Corridor HOV project for King County, Washington.
- Task leader for the cultural resources record search for the extension of the Hedding Street Bridge over the Guadalupe River in the City of San Jose, California for the City of San Jose and the Santa Clara Valley Water District.
- Principal investigator for the cultural resources evaluation for the Environmental Assessment of the Golden Gate Bridge Seismic Retrofit Project, San Francisco and Marin Counties, California, for T.Y. Lin International and the Golden Gate Bridge District.
- Co-principal investigator for the Santa Clara County Transportation Agency Section 106 Compliance for the Guadalupe Corridor Light Rail Project. This 5-year project included historic property surveys; determinations of National Register eligibility and effects; preliminary case reports; development of a Programmatic Agreement; preparation of overviews and research designs; planning and completion of multi-site excavation programs, including site testing and

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data recovery, monitoring of construction, emergency data recovery operations, multiple interagency, Native American and client coordination and public contacts, and preparation of multiple preliminary and final reports. Program has involved the administration of a culturally and politically sensitive contract with numerous subcontractors.

- Principal investigator for the Archaeological Survey Report for the earthquake-damaged Interstate Highway 880/Cypress (Freeway) Replacement Project for Parsons De Leuw, San Francisco, and the California Department of Transportation, District 4, San Francisco.
- Principal investigator for the Historic Property Survey Report and Archaeological Survey Report for the modifications to the existing diamond interchange at I-5/Louise Avenue in Lathrop, California. Project for the California Department of Transportation, District 10, Stockton.
- Principal investigator for Archaeological Survey Report for modifications to the existing diamond interchange at U.S. 101/Victoria Avenue in Ventura, California. Project for the California Department of Transportation, District 7, Los Angeles.
- Task leader for the archaeological surveys of Union Pacific Railroad Company's Second Mainline Track Projects, North Platte Subdivision, Morrill and Scottsbluff counties, Nebraska for Union Pacific Railroad, Omaha, Nebraska.

Water: Wastewater Treatment, Freshwater Supply

- Principal investigator for the cultural resources assessment of the Perris Desalter Project, Riverside County, California for the Eastern Municipal Water District, Perris, California.
- Principal investigator for the cultural resource assessment of the IID/SDCWA Water Conservation and Transfer Project, Imperial, San Diego, and Riverside Counties, California for the Imperial Irrigation District, Imperial, California.
- Principal investigator for the cultural resources assessment of the Burbank Boulevard Trunk Line Project for the Los Angeles Department of Water and Power, Encino, California.
- Principal investigator for archaeological investigations at the proposed Troutdale Wastewater Treatment Facility, Troutdale, Oregon for the City of Troutdale, Oregon.
- Task leader for archaeological monitoring of construction of the City of Corvallis Combined Sewer Overflow Project, Corvallis, Oregon.
- Principal investigator for the cultural resource inventory of the Hill Canyon Wastewater Treatment Plant Expansion and Upgrade, City of Thousand Oaks, California.
- Principal investigator for a limited subsurface archaeological testing program at site 45-CL-427 for the USACE Section 404 permitting of the Vancouver-Orchards and Andresan Road Forcemain Projects for the City of Vancouver, Washington.

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- Principal investigator for a cultural resources assessment of the proposed Mexicali Wastewater Collection and Treatment Project in Imperial County, California for the International Boundary and Water Commission, United States and Mexico, U.S. Section, El Paso, Texas.
- Principal investigator for a cultural resources study for the Clearview Water Supply Project, Snohomish County, Washington for the Clearview Group (Alderwood, Cross Valley, Mukilteo and Silver Lake water districts and the cities of Everett and Lynnwood), Lynnwood, Washington.
- Archaeologist for the archaeological monitoring of geotechnical borings at the Columbia Blvd. Wastewater Treatment Plant for the City of Portland, Oregon.
- Principal investigator for a cultural resources study for the Tualatin Valley Water District/City of Hillsboro's North Transmission Line, Washington County, Oregon.
- Principal investigator for a cultural resources reconnaissance, subsurface archaeological testing, and construction monitoring programs for the proposed expansion of the Salmon Creek Wastewater Treatment Plant, Clark County, Washington, for Clark County Department of Public Works.
- Principal investigator for a cultural resources reconnaissance of the Cozine Trunkline Replacement Project in the City of McMinnville, Yamhill County, Oregon, for the City of McMinnville, Oregon.
- Principal investigator for a cultural resources study for the City of Newport's South Beach Wastewater Treatment Plant and Conveyance System for the City of Newport, Lincoln County, Oregon.
- Principal investigator for a cultural resources study for the Coos Bay - North Bend Water Supply Project for the Coos Bay - North Bend Water Board. Coos Bay, Oregon.
- Principal investigator for the preparation of a cultural resources monitoring plan for the Callow Avenue Storm Drainage Separation Project for the City of Bremerton, Washington and the U.S. Navy's Puget Sound Naval Shipyard.
- Principal investigator for a cultural resources reconnaissance and archaeological monitoring for the proposed expansion of the Pacific Beach Wastewater Treatment Plant and installation of a community-wide sewage system in Pacific Beach/Moclips, Grays Harbor County, Washington for Grays Harbor County Public Works Agency.
- Coordinator of project report production for the East Springfield (Kelly Butte) Sewer Interceptor Restoration Plan for the Metropolitan Wastewater Management Commission, City of Springfield, Oregon.
- Principal investigator for a cultural resources study for the Santa Clara River Enhancement and Management Plan, Los Angeles and Ventura Counties, California for the Santa Clara River Project Steering Committee.

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- Task leader for the preparation of the cultural resources element for the FEIR for the San Ramon Valley Recycled Water Program for the Dublin San Ramon Services District and the East Bay Municipal Utilities District, California.
- Principal investigator for the cultural resources survey and National Register evaluation for the Guadalupe River Project, City of San Jose, Santa Clara County, California, for the Sacramento District, U.S. Army Corps of Engineers.

Various

- Senior archaeologist for surveys and investigations for quarry development siting studies in Klickitat County, Washington for Ross Island Sand and Gravel Company, Portland, Oregon.
- Task leader/senior reviewer for the preparation of a Cultural Resources Management Plan for Arnold Air Force Base, Tennessee.
- Principal investigator for cultural resource compliance program for the Owens Lake Dust Control Project, Inyo County, California for the Los Angeles Department of Water and Power.
- Task leader for the cultural resources assessment for the proposed Arrowhead Development Corporation's commercial redevelopment (sustained development) of the historic Arrowhead Springs resort complex in San Bernardino County, California.
- Task leader for Inventory and Evaluation of Historic Buildings at the U.S. Air Force Academy in Colorado Springs, Colorado for the Department of the Air Force, 10th Space Wing, USAF Academy, Colorado.
- Principal investigator for the Penn Mine Long-Term Solution Project, Calaveras County, California. Third-party oversight and cultural resources management consulting services provided to the East Bay Municipal Utility District, Oakland, California with regard to the Penn Mine remediation program ordered by the Environmental Protection Agency, San Francisco.
- Principal investigator for the Class III Cultural Resource Inventory of the primary operations and landing site for the X-33 Advanced Technology Demonstrator at the US Army Dugway Proving Ground, Utah for the George C. Marshall Space Flight Center (NASA), Alabama.
- Principal investigator for the cultural resources investigations for siting a proposed steel mill facility at either Coos Bay, Oregon or Hoquiam, Washington for NUCOR Steel Corporation, Portland, Oregon.
- Principal investigator for the cultural resources element of the Hanford Reach Planning Study for Benton, Grant and Franklin County Commissions, Washington.
- Principal investigator and project manager for an archaeological reconnaissance for the proposed expansion of Nike (Shoe) Corporation's World Campus, Beaverton, Oregon for SRI/SHAPIRO, Inc., Portland.

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- Task leader for the preparation of the cultural resource element for a Washington State SEPA Checklist for the proposed 190 acre Intel Corporation's Dupont, Washington research and development campus.
- Task leader for the fulfillment of Section 106 compliance investigation work for Intel Corporation's Heritage Reserve research and development campus, Fort Worth, Texas.
- Principal investigator for a cultural resources reconnaissance of a 1400 acre sugarbeet processing plant near Moses Lake, Washington for Pacific Northwest Sugar Company (Imperial Holly Sugar).
- Principal investigator and project manager for the preparation of the Base and Missile Cold War Survey of Malmstrom Air Force Base, Montana for the Department of the Air Force, Air Force Materiel Command, Brooks Air Force Base, Texas.
- Task leader for the preparation of Guidelines for Treatment of Historic Facilities at Selfridge Air National Guard Base, Michigan.
- Task leader for the preparation of Guidelines for Treatment of Historic Facilities at Selfridge Air National Guard Base, Michigan.
- Task leader for the preparation of the cultural resource element for the Environmental Assessment of NASA's un-manned Space Shuttle landing sites at Mountain Home AFB, Idaho; Roosevelt Roads Naval Air Station, Puerto Rico; and on the island of Antigua.
- Senior reviewer for the cultural resource element of the Marshall Space Flight Center (Alabama), 1996 Environmental Resource Document update for NASA.
- Senior reviewer for the preparation of the Cultural Resource Management Plan for Arnold Air Force Base, Tennessee for the U.S. Air Force - Arnold Engineering Development Center.
- Task leader for the preparation of the cultural resource element for the Supplemental Environmental Impact Statement for the Evolved Expendable Launch Vehicle (new "Space Shuttle") for Los Angeles Air Force Base, California.
- Task leader for cultural resources to support preparation of the Environmental Assessment for the National Park Seminary Historic District, Forest Glen Annex, Walter Reed Army Medical Center for the U.S. Army Corps of Engineers, Baltimore District.
- Task leader for the preparation of two screening assessments and monitoring plans to study the effects of acid rain on prehistoric rock art sites within the Wallowa-Whitman National Forest and the Columbia River Gorge National Scenic Area as part of the USDA Forest Service's air quality management plan for the Pacific Northwest Region.
- Principal investigator for the preparation of a cultural resources assessment and archaeological sample inventory of the Rio Mesa Master Plan Area and Environmental Impact Report, Friant, Madera County, California, for WILLDAN ASSOCIATES and the Madera County Planning Department.

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- Principal investigator for the preparation of a cultural resources assessment of the Bellevue Ranch Environmental Impact Report, Merced County, California, for WILLDAN ASSOCIATES and the City of Merced Planning Department.
- Principal investigator for the New Main Library Project archaeological monitoring/data recovery program and Historic American Building Survey (HABS) recordation of the foundations of the former 1906 earthquake-damaged City Hall, San Francisco, California, for the Bureau of Architecture of the City of San Francisco and O'Brien-Kreitzberg, San Francisco.
- Principal investigator for the HABS recordation of the historic Warm Springs Resort Site (A.A. Cohen Hotel), Fremont, California, for the City of Fremont and Hidden Valley Ranch Enterprises.
- Principal investigator for a large-scale site testing program in Pleasanton, California (CA-Ala-483), using experimental data recovery techniques and involving extensive public and Native American participation. Work sponsored by The DeSilva Group, Pleasanton.
- Principal investigator for a data recovery program in Westlake Village, California (CA-LAn-1521), for WILLDAN ASSOCIATES.

PUBLICATIONS AND PRESENTATIONS

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With C.I. Busby and L.S. Kobori. *Excavations at Wildcat Gorge Cave (NV-HU-2258), Humboldt County, Nevada.* Coyote Press Agency Report Series, Salinas. 1987.

With C.I. Busby. *The Central California Prehistoric Culture Sequence: A Preliminary Review of Implications for Santa Clara Valley Prehistory.* Coyote Press Archives of California Prehistory 7:82-86, Salinas. 1986.

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With C.I. Busby and L.S. Kober. *Synopsis of Archaeological Investigations at Wildcat Gorge Cave, Humboldt County, Nevada.* Paper presented at the 5th Annual BLM Cultural Resources Workshop, Reno, Nevada. 1982.

With C.I. Busby and L.S. Kober. *Test Excavations at Painted Cave, Pershing County, Nevada.* Paper presented at the 16th Great Basin Anthropological Conference, Reno, Nevada. 1978.

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With R. McClintock. *I-405 Corridor Program Draft EIS – Cultural Resources Expertise Report.* For Washington State Department of Transportation, Office of Urban Mobility, Seattle, Washington. March 2001.

With R. McClintock. *A Phase I Archaeological Survey Report (Cultural Resource Assessment) Teayawa Energy Center Project, Riverside County, California.* For Calpine Corporation, Pleasanton, California. March 2001.

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A Phase I Archaeological Survey Report (Cultural Resource Assessment), Eastern Municipal Water District, Perris Desalter Project, Riverside County, California. For Eastern Municipal Water District, Perris, California. February 2001.

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With A. Bergstad. *American Tower Corporation: Canyonville 43142 (OR 0051) Cellular Communication Tower – Cultural Resources.* For American Tower Corporation, Houston, Texas. December 2000.

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With R. McClintock. *McCarver Street to Reservation Center Rail Improvement Project: Historical and Archaeological* (City of Tacoma, Pierce County, Washington). For Exeltech Consulting, Inc., Olympia, Washington. December 2000.

With R. McClintock. *Historical and Archaeological Discipline Report, East "D" Street Grade Separation, City of Tacoma, Pierce County, Washington.* For Exeltech Consulting, Inc., Olympia, Washington. November 2000.

With R. McClintock and C. Sundburg. *Cultural Resource Assessment, Aurora Avenue North Multimodal Corridor Project, City of Shoreline, Washington.* For City of Shoreline, Washington. October 2000.

With R. McClintock. *Cultural Resources Assessment, Stateline Wind Project, Umatilla County, Oregon and Walla Walla County, Washington.* For FPL Energy, Inc., Juno Beach, Florida. October 2000.

A Cultural Resource Assessment of the IID/SDCWA Water Conservation and Transfer Project, Imperial, San Diego, and Riverside Counties, California. For Imperial Irrigation District, Imperial, California. September 2000.

With R. McClintock, K. Demuth and E. Carter. *Finding of Adverse Effect, Pacific Power & Light Albina Service Center Building, 2126 North Lewis Avenue, Portland, Oregon.* For the Bureau of Planning, City of Portland, Portland, Oregon. June 2000.

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the Hoover Dam Bypass EIS. For the Federal Highway Administration in cooperation with the Bureau of Reclamation, the National Park Service, and the Arizona and Nevada Departments of Transportation. April 2000.

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With R. McClintock. *Cultural Resource Investigations on the Dennis Property Near Dallesport, Klickitat County, Washington*. For Ross Island Sand and Gravel Company, Portland, Oregon. January 2000.

With R. McClintock, S. Scott and A. Sienko. *Cultural Resources Investigation Report, Starbuck Gas-Fired Electric Generating Plant Project, Columbia County, Washington*. For Northwest Power Enterprises, Inc., Bellevue, Washington. January 2000.

With J. Cox and R. McClintock. *SR 509/South Access Road EIS Discipline Report: Historical and Archaeological Preservation*. For Washington State Department of Transportation, Seattle. January 2000.

With R. McClintock. *A Cultural Resource Assessment of the Kingston Park-and-Ride Lot Project, Kitsap County, Washington*. For Washington State Ferries, Washington Department of Transportation. November 1999.

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With S. Courtois, K. Kraft, C. Wickwire and R. McClintock. *Link Central Light Rail Draft Transit Project, Seattle, Tukwila and SeaTac, Washington - Final Technical Report: Historic and Prehistoric Archaeological Sites, Historic Buildings and Structures, Native American Traditional Cultural Properties, Paleontological Sites*. For the Central Puget Sound Regional Transit Authority, Seattle, Washington. October 1999.

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With J. Cox. *A Phase I Cultural Resource Inventory: Hill Canyon Wastewater Treatment Plant Expansion and Upgrade, City of Thousand Oaks, Ventura County, California*. For the City of Thousand Oaks, California. March 1998.

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Cultural Resource Assessment of the Proposed Mexicali Wastewater Collection and Treatment Project, Imperial County, California. For the International Boundary and Water Commission, United States and Mexico, U.S. Section, El Paso, Texas. 1997.

With R. McClintock. *Cultural Resources Assessment, Vansycle Wind Farm Project, Umatilla County, Oregon.* For ESI Energy, Inc. (Florida Power and Light), North Palm Beach, Florida. 1997.

With R. McClintock. *A Cultural Resources Assessment of the Proposed NUCOR Steel Mill Site, Coos County, Oregon.* For US Army Corps of Engineers, Portland District and NUCOR Steel Corporation, Portland, Oregon. 1997.

With R. McClintock. *A Cultural Resources Assessment of the Clearview Water Supply Project EIS, Snohomish County, Washington.* For The Clearview Group (Alderwood Water District), Lynnwood, Washington. 1997.

With J.B. Cox and R. McClintock. *A Cultural Resource Survey of the Proposed Intersection of U.S. Highway 99W and State Route SW 124th Avenue (Tualatin Road), Washington County, Oregon.* For Oregon Department of Transportation. 1997.

With S.A. Scott and D.C. Schwab. *Base and Missile Cold War Survey: A Baseline Inventory of Cold War Material Culture at Malmstrom Air Force Base, Montana.* For Department of the Air Force, Air Force Materiel Command and USAF Center for Environmental Excellence, Brooks Air Force Base, Texas. 1997.

With D.C. Stapp. *Tools and Guidance: Developing a Curation Strategy for Manhattan Project and Cold War Artifacts at the Department of Energy's Hanford Site.* For Pacific Northwest National Laboratory, Richland, Washington. 1997.

With D.C. Stapp. *Curation Strategy for the Department of Energy's Hanford Site - Recommendations for Manhattan Project and Cold War Artifacts and Records.* For Pacific Northwest National Laboratory, Richland, Washington. 1997.

With R. McClintock. *Edmonds Crossing Discipline Report Supplement: Presence/Absence Testing for Archaeological Resources, City of Edmonds, Snohomish County, Washington.* For City of Edmonds, Washington State Department of Transportation, and Community Transit. 1996.

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Tools and Guidance to Develop a Traditional Cultural Properties Management Plan for the Department of Energy's Hanford Site. For Pacific Northwest National Laboratory, Richland, Washington. 1996.

With J.B. Cox. *The Unocal Edmonds Bulk Fuel Terminal: A Determination of National Register Eligibility.* For City of Edmonds, Washington State Department of Transportation, and Community Transit. 1996.

With R. McClintock. *An Archaeological Survey of the Union Pacific Railroad Company's Second Mainline Track Project, M.P. 133.61 to 141.66, North Platte Subdivision, Scottsbluff County, Nebraska.* For Union Pacific Railroad. 1996.

With R. McClintock and J.B. Cox. *A Cultural Resource Survey of the Tualatin Valley Water District's North Transmission Line, Washington County, Oregon.* For City of Hillsboro and the Tualatin Valley Water District, Oregon. 1996.

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With R. McClintock. *An Archaeological Survey of the Union Pacific Railroad Company's Second Mainline Track Project, M.P. 103.84 to 109.08, North Platte Subdivision, Morrill County, Nebraska.* For Union Pacific Railroad, Omaha, Nebraska. 1996.

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With R. McClintock, J. Cox, V. Wright, S. Christensen, and J. Woodruff. *A Cultural Resource Assessment of the Pacific Northwest Sugar Company's Moses Lake Sugar Beet Processing Plant Site, Grant County, Washington.* Imperial Holly Sugar Company, Sugarland, Texas. 1996

With R. McClintock. *A Report on Cultural Resource Survey and Monitoring of a U.S. West Communications, Inc. Improvement Project No. 52-R-A-695 on the Deschutes National Forest.* U.S. West Communications, Inc., Bend, Oregon. 1995.

With R. McClintock. *An Archaeological Survey of the Proposed Highway 47 Bypass, From Council Creek to Quince Street, City of Forest Grove, Washington County, Oregon.* Washington County, Oregon. 1995.

With J.B. Cox. *A Historical Context Statement for the Pre-Hanford Period (Lewis and Clark 1805 - Hanford Engineer Works 1943) at the Department of Energy's Hanford Site, Benton County, Washington.* Battelle Pacific Northwest Laboratories, Richland. 1995.

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With M.R. Fong and others. *Test Excavations at Three Rockshelter Sites, 26-Wa-3566, -3567 and -3568, Washoe County, Nevada*. Bureau of Land Management, Susanville. 1988.

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James C. Bard

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With C. Busby, R. Dezzani and others. *Kennedy Meadows Cultural Resources Data Recovery Project*. Sequoia National Forest, Porterville. 1985.

James C. Bard

PERSONNEL DATA

Employee No.: 12419

Date: July 2001

Years of Experience Before CH2M HILL: 24

CH2M HILL Hire Date: 4/1/93

Year(s) and State(s) of Professional Registration or Certification: Society for California Archaeology/1978; Register of Professional Archaeologists/1977; California Lifetime Junior College Teaching Credential-Anthropology/1977

Year(s) of Degree(s): B.A./1974; M.A./1976; Ph.D./1979

Alicia Bergstad

3930 NW Witham Hill Dr. Apt 75
Corvallis, OR 97330
(541) 752-6605

Education

Oregon State University, in Corvallis, Oregon 1993-1999

Bachelor of Science in Anthropology

Minor in Russian

St. Petersburg State University, in St. Petersburg, Russia 1995-1996

Linn-Benton Community College, in Albany, Oregon 1993-1995

Archaeological Work Experience

Field Work

Subsurface testing in Centerilla, Washington for the city of Centrailla in support of a waste water treatment plant, 2001

Archaeological survey in Prosser, Washington for Boniville Power inc. in support of wind turbines for power generation, 2001.

Archaeological survey in San Joaquin, California for Calpine in support of a water and gas pipeline, 2001.

Archaeological survey in area of Sacramento, California for Sacramento Municipal Utility District (SMUD) in support of a natural gas pipeline, 2001.

Archaeological survey near Tracy, California for Calpine in support of water pipeline, 2001.

Archaeological survey in Redmond, Oregon for Cogentrix in support of a power generation plant and water pipeline, 2001.

Archaeological survey at Owens Valley, California on Owens Lake in support of a clean air project, 2001.

Archaeological survey of I-10 in Redlands, California for Caltrans in support of truck climbing lane, 2001.

Archaeological monitoring in Coos Bay, Oregon for the city of Coos Bay in support of pipe line to new wells, 2000 – 2001.

Archaeological Balloon test for visual impact of proposed cell tower in Canyonville, Oregon for American Tower, 2000.

Archaeological monitoring in Vallejo, California for Caltrans for Sanitary Sewer Rerouting, 2000.

Archaeological surveys in Walla Walla, Washington in support of Boniville power for wind turbines. Worked with Native Americans from the Umitila tribe, 2000.

Subsurface testing at a shell midden in Depo Bay, Oregon for construction of a Hotel, 2000.

Alicia Bergstad

Excavation at prehistoric site in Auburn, California For Caltrans in support of construction of a new bridge, 2000.

Archaeological monitoring in Corvallis, Oregon for the City of Corvallis in support of the sewer system overflow project, 1999.

Archaeological survey in Klamath BLM forest for the BLM in support of selected cutting of the sections surveyed, 1998.

Excavation of prehistoric site one mile out side of Bend, Oregon, 1998.

Excavation of historic site at Shore Acres coastal park in Oregon, for a backer of Oregon State University, 1997.

Archaeological Field school, Cool Guy Russ and Laurel Gale site, Oregon, Oregon State University, 1997.

Archaeological field school, Lake Roberts Vista site, New Mexico, Oregon State University, 1995.

Lab Work

Fort Steven State Park, Astoria, Oregon site, fall of 1998. Cleaning historic artifacts, particularly mettle. Separating and identifying parts of tin cans.

Supervised by Professor David Brauner

Bandon, Oregon site, fall of 1997 to present. Cleaning historic and prehistoric artifacts. Labeling artifacts, entering artifacts in to a data base (Paradox in DOS), organizing the lab, analyzing of historic ceramic and glassware. Spring term. Faunal identification of birds from the site.

Supervised by Professor Roberta Hall

Cool Guy Russ and Laura Gal, Oregon Sites summer of 1997. Worked on human and faunal remains from Lake Robert vista. Separated human and faunal Remains. Water screened soil samples from Cool Guy Russ and Laura Gal.

Supervised by Professor Barbara Roth

OSU Osteology and Archaeology Lab, summer of 1997. Organized and inventoried labs, cleaned up chemicals in lab, did pathological analysis of human Skulls.

Supervised by Roberta Hall

Lake Roberts Vista site, summer of 1995. Cleaned and organized artifacts, learned the chronology of Membres pottery, catalogued artifacts By numbering them individually.

Supervised by Professor Barbara Roth

Museum Work

Museum of Tobago, Scarborough, Tobago West Indies winter of 1999. Cataloged, cleaned, measured, and reconstructed prehistoric ceramic artifacts. Gave tours of the museum to school children. Did some survey and surface collection around the fort.

Alicia Bergstad

Papers Presented

Study of Bird, Elk and deer bones from site 35cs43B in Bandon, Oregon, presented at the 52 annual Northwest Archaeological Conference, April 1999, Newport, Oregon

Russian Folk Medicine: an Urban late twentieth century perspective, presented for completion of the International Degree B.A, December of 1998, OSU, Corvallis, Oregon

Teaching

Osteology, Teaching Assistant, Oregon State University, September 1998-December 1998, Corvallis, Oregon

Osteology, Teaching Assistant, Oregon State University, September 1997-December of 1997, Corvallis, Oregon

English as a foreign language, Tutor, International school of Tallinn, September 1992-June 1993, Tallinn, Estonia

Memberships

Paleopathology Association

Extracurricular

Volunteer Coordinator for World Experience exchange program January of 2000

OSU Conversant Program, Conversant September of 1994 to December of 1998

References

Available upon Request

**EAST ALTAMONT ENERGY CENTER
DATA REQUESTS #2A
(01-AFC-4)**

Attachment LU-74

August 30, 2001

EAEC Data Request Response Set 2A

Recording requested by
And when recorded mail to:

SPACE ABOVE THIS LINE RESERVED FOR RECORD USE

Original Counterpart
MEMORANDUM OF OPTION

This Memorandum of Option dated August 10, 2000, is by and between Thelma Holck, a widow, Lorraine J. Andersen, a married woman, Norman E. Holck, a married man, Donald J. Holck, an unmarried man and Dale M. Holck, a married man ("Optionor" and Anacapa Land Company, LLC ("Optionee").

Optionor and Optionee have entered into an unrecorded Option Agreement and Escrow Instructions dated August 8, 2000 (the "Option Agreement"), whereby Optionor granted Optionee, and Optionor hereby grants to Optionee, an option to purchase the real property ("Property") located in the County of Alameda, California, more particularly described in Exhibit A, attached hereto and made a part hereof, upon and subject to the terms and conditions set forth therein. The Option must be exercised, if at all, within two (2) years after the date of recordation of this Memorandum of Option

The purpose of this Memorandum of Option is to give notice of the existence of the Option Agreement, which itself constitutes the agreement of the parties.

Anacapa Land Company, LLC

By: [Signature]

Name: Larry R. Krumland *
SR. Vice President **

Its: _____

*Larry R. Krumland
**Vice President
SR.

[Signature]
Thelma Holck

[Signature]
Lorraine J. Andersen

Norman E. Holck

[Signature]
Donald J. Holck

[Signature]
Dale M. Holck

Recording requested by
And when recorded mail to:

SPACE ABOVE THIS LINE RESERVED FOR REC'D INDEX USE

Counterpart "A"
MEMORANDUM OF OPTION

This Memorandum of Option dated August 10, 2000, is by and between Thelma Holck, a widow, Lorraine J. Andersen, a married woman, Norman E. Holck, a married man, Donald J. Holck, an unmarried man and Dale M. Holck, a married man ("Optionor") and Anacapa Land Company, LLC ("Optionee").

Optionor and Optionee have entered into an unrecorded Option Agreement and Escrow Instructions dated August 8, 2000 (the "Option Agreement"), whereby Optionor granted Optionee, and Optionor hereby grants to Optionee, an option to purchase the real property ("Property") located in the County of Alameda, California, more particularly described in Exhibit A, attached hereto and made a part hereof, upon and subject to the terms and conditions set forth therein. The Option must be exercised, if at all, within two (2) years after the date of recordation of this Memorandum of Option.

The purpose of this Memorandum of Option is to give notice of the existence of the Option Agreement, which itself constitutes the agreement of the parties.

Anacapa Land Company, LLC

By: 

Name: Larry R. Krumland
Senior Vice President

Its: _____

Thelma Holck

Lorraine J. Andersen



Norman E. Holck

Donald J. Holck

Dale M. Holck

Exhibit A
to
Memorandum of Option

Legal Description

The land referred to in this report is situated in the State of California, County of Alameda and is described as follows:

Those parcels of land in the unincorporated area, County of Alameda, State of California, described as follows:

Parcel 1:

The west half of the southeast quarter, and southwest quarter of the northeast quarter of Section 31, in Township 1 south, Range 4, east, Mount Diablo Base & Meridian.

Parcel 2:

A portion of the north half of the northeast quarter of Section 31, and a portion of the southwest quarter of the southeast quarter of Section 30, both in Township 1 south, Range 4, east, Mount Diablo Base & Meridian, more particularly described as follows:

Beginning at the quarter corner common to said Sections 30 and 31, and running hence north along the west line of the southwest quarter of the southeast quarter of said Section 30, a distance of 830.00 feet to a point on the southwestern line of the right of way of the Southern Pacific Railroad; thence along said last named line south $51^{\circ} 57'$ East 2338.60 feet thence south $48^{\circ} 02'$ west 701.30 feet to a point on the east line of the northwest quarter of the northeast quarter of said Section 31; thence along said last named line south 239.60 feet to the northeast corner of the southwest quarter of the northeast quarter of said Section 31; thence along the north line of said southwest quarter west 1320.10 feet to a point on the western line of the northwest quarter of the northeast quarter of said Section 31; thence north along said last named line 1320.00 feet to the point of beginning.

APN 099B-7100-003

Reserving unto the Grantors from Parcel 1 and 2 above an undivided one-half ($\frac{1}{2}$) interest in and to all oil, gas, and other hydrocarbon substances and all other minerals, within the underlying property and which may be produced from the herein described property, together with a perpetual subsurface right of ingress and egress for the purposes of prospecting, exploring for, mining and extracting said substances, but excluding therefrom all rights, in and to the surface and the subsurface down to a depth of 500 feet measured vertically from the surface of said land.

3k. 4455

DEED (JOINT TENANCY)

44:3-258

HENRY LINDENMANN, unmarried, the first party, hereby GRANTS to EVERETT HOLCK and
THERESA HOLCK, his wife, as joint tenants, the second parties, all that real property situate
in the Township of Murray, County of Alameda, State of California, described as follows:
PARCEL 1: The west half of the Southeast quarter, and Southwest quarter of
the Northeast quarter of Section 31, in Township 1 North, Range 4, East, Mount
Diablo Base & Meridian.
CONTAINING 180 acres, more or less.

PARCEL 2: A portion of the North half of the Northeast quarter of Section 31, and
a portion of the Southeast quarter of the Southeast quarter of Section 30, both
in Township 1 North, Range 4, East, Mount Diablo Base & Meridian, more particularly
described as follows:

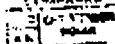
BEGINNING at the quarter corner common to said Sections 30 and 31, and running
thence North along the West line of the Southeast quarter of the Southeast quarter
of said Section 30, a distance of 800.00 feet to a point on the Southwestern
line of the right of way of the Southern Pacific Railroad; thence along said
last named line South 81° 57' East 2236.00 feet; thence South 48° 08' West
701.00 feet to a point on the east line of the Northeast quarter of the Northeast
quarter of said Section 31; thence along said last named line South 536.00 feet
to the southeast corner of the southeast quarter of the northeast quarter of said
Section 31; thence along the north line of said Southeast quarter West 1280.10
feet to a point on the eastern line of the Northeast quarter of the Northeast
quarter of said Section 31; thence North along said last named line 1280.00 feet
to the point of beginning.
Containing 64.76 acres, more or less.

1. HENRY LINDENMANN, the said first party has executed this conveyance this 8th
day of November, 1943.

Henry Lindenmann

STATE OF CALIFORNIA,)
COUNTY OF ALAMEDA.) ss: On this 8th day of November, in the year, A.D. Nineteen Hundred and
Forty-three, before me, F. M. SHARP, a Notary Public, in and for said County of Alameda,
State of California, duly commissioned and sworn, personally appeared, HENRY LINDENMANN,
unmarried, known to me to be the person described in and who executed and whose name is
subscribed to the within instrument, and he acknowledged to me that he executed the same.
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal at my
office in the said County of Alameda, the day and year in this certificate first above written.
(Notarial Seal) F. M. SHARP, Notary Public
Not Illegible in and for the County of Alameda, State of California.
U. S. T. R. STAMP (10-14) cancelled U. S. A. G.
Recorded at request of Alameda County Book & Title Ins. Co., at S. A. N. Nov-19, 1943.
60819 1-10 A P.

Copied Jan-15, 1944, W. DAVIS.



COUNTY RECORDER

DEED OF RECONVEYANCE

KNOW ALL MEN BY THESE PRESENTS: WHEREAS, Bank of America National Trust and Savings
Association, the Beneficiary and holder of the Deed of Trust made, executed and delivered on
February 18, 1941, by CHARLES F. RICHMOND and CONCEPTION M. RICHMOND, his wife, to
Corporation of America, as Trustee for Bank of America National Trust and Savings Association,
as Beneficiary, which Deed of Trust was recorded on March 18, 1941, in the office of the
County Recorder of the County of Alameda, State of California, in Vol. Book of Official Records,
at Page 207, et seq., has requested the Trustee under said Deed of Trust to reconvey the
premises therein described;

WHEREAS, Corporation of America, is now the Trustee under said Deed of Trust;
NOW, KNOW ALL MEN, the Corporation of America, a corporation, as said Trustee, does
hereby grant, remise, release and reconvey to the person or persons legally entitled thereto,
all the estate and interest derived to it, by or through said Deed of Trust, in the lands
therein described, together with the appurtenances; special reference being hereby made to
said Deed of Trust and the Record thereof for a particular description of said lands.

IN WITNESS WHEREOF, said Corporation of America, as such Trustee, has caused this
present to be executed by an officer to-wit: T. A. Craig, Manager of the Bank of America
National Trust and Savings Association and an officer agent of said Corporation of America,
by virtue of a resolution of the Board of Directors of said Corporation heretofore recorded
in the aforesaid County.

DATED: September 24, 1943.

Corporation of America, a Corporation, Trustee.
By T. A. Craig, Vice Agent

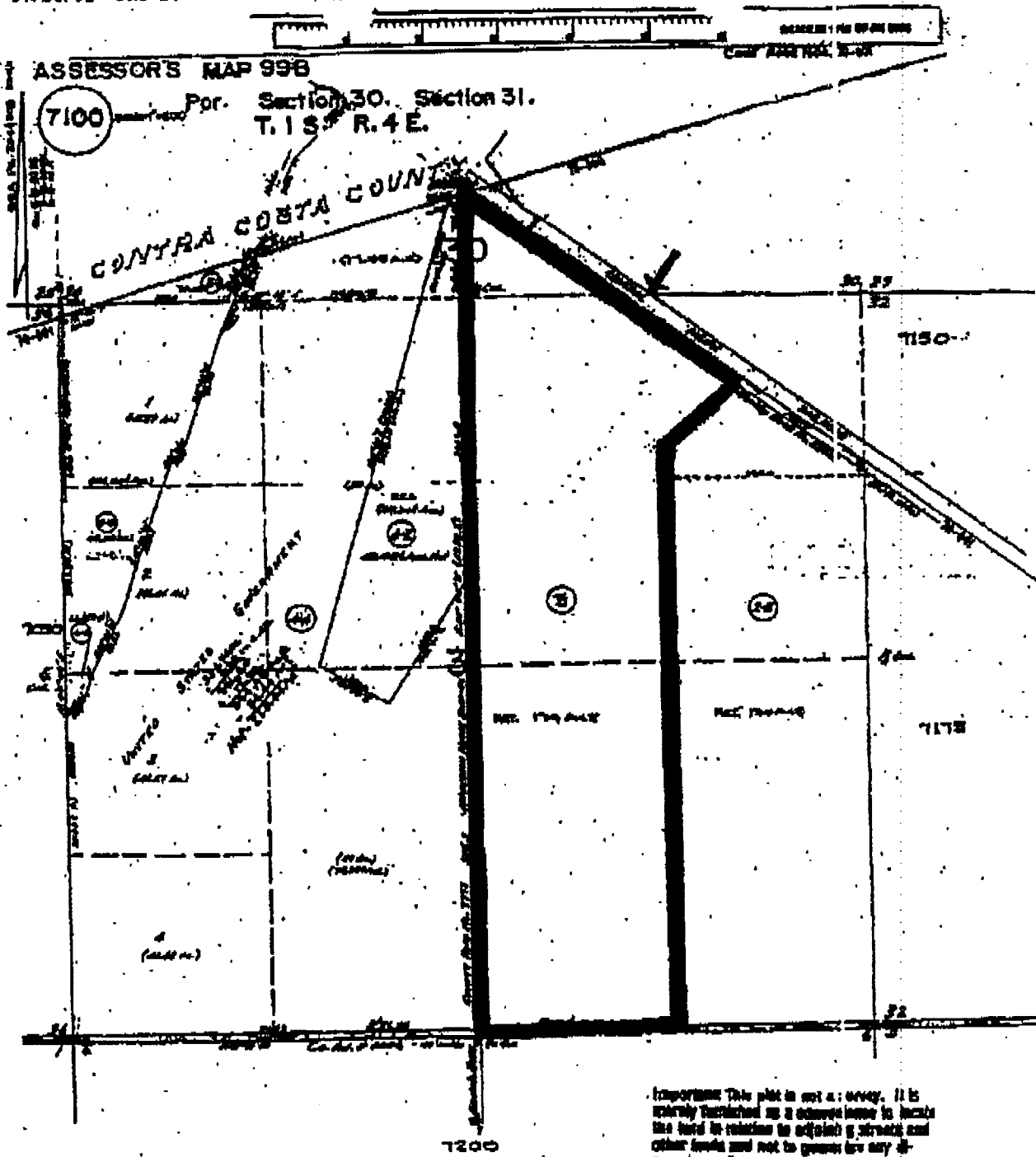
STATE OF CALIFORNIA,)
COUNTY OF ALAMEDA.) ss: On this 25th day of September, in the year one thousand nine hundred
and forty-three, before me, WM. MAULEY, a Notary Public, in and for the said County and
State, and residing therein, duly commissioned and sworn, personally appeared, T. A. CRAIG,
an officer, to-wit: Manager of the Bank of America National Trust and Savings Association,
and an officer agent of Corporation of America, a corporation, known to me to be the person
who executed the within instrument on behalf of Corporation of America, a corporation,
therein named, and acknowledged to me that said Corporation of America, a corporation,
executed the same.

ASSESSOR'S MAP 99B

7100

Por. Section 30, Section 31.
T.1 S. R.4 E.

CONTRA COSTA COUNTY



Important: This plot is not a survey. It is merely furnished as a convenient means to locate the land in relation to adjoining streets and other lands and not to govern any dimensions, distances, bearings, or acreage.